

a<sup>1</sup>

(a) initiating a kernel function call,  
(b) monitoring for a complication during execution of the kernel function call,  
[(b)] (c) if a complication [occurs] is detected,  
performing the additional steps of

- (1) promoting from the kernel function call to a system call, and
- (2) [handling the complication] continuing execution in the system call,

(d) if a complication is not detected, completing execution of the kernel function call.

2) (AMENDED) The method of claim 1 wherein step [(b)] (c) comprises the additional steps of:

- (3) monitoring for a suspend state in system call processing; [and]
- (4) if a suspend state [occurs] is detected,  
demoting from the system call to a kernel function call and continuing execution in the kernel function call; and
- (5) if a suspend state is not detected, completing execution of the system call.

3) (AMENDED) The method of claim 2 wherein step [(b)(1)] (c)(1) includes the additional step of assigning a kernel stack to the system call and step [(b)(4)] (c)(4) includes

a<sup>1</sup>  
the additional step of releasing the kernel stack.

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In claim 4, line 1, delete (b) and substitute (c) therefor.

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5) (AMENDED) The method of claim 1 wherein step [(b)(1)]  
(c)(1) includes the additional step of passing to the  
system call an identifier [specifying the phase] indicating  
the amount of [LWP] kernel function call execution that  
[was in progress] had been completed at the time the  
complication [occurred] was detected.

a<sup>2</sup>  
6) The method of claim 5 wherein step [(b)(2)] includes the  
additional] (c)(2) comprises the steps of:

- (i) checking the [phase] identifier passed in step  
[(b)(1)] (c)(1), and
  - (ii) initiating system call processing within the  
kernel system call at the equivalent location  
within the system call of the same phase  
indicated by the [phase] identifier.
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In claim 7, line 1, delete (b) and substitute (c) therefor.

#### REMARKS

This amendment is submitted pursuant to the Office  
Action of March 7, 1995.